

Fig. 1

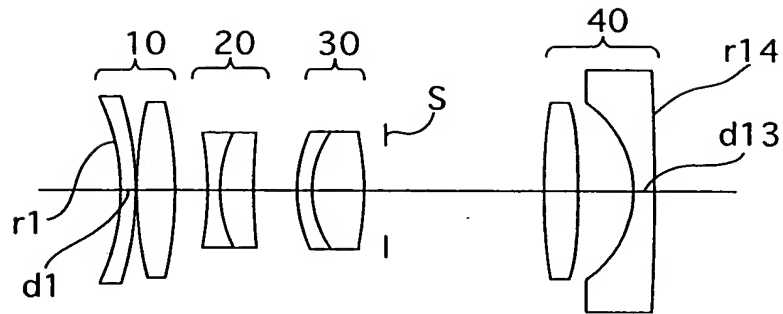


Fig. 2A

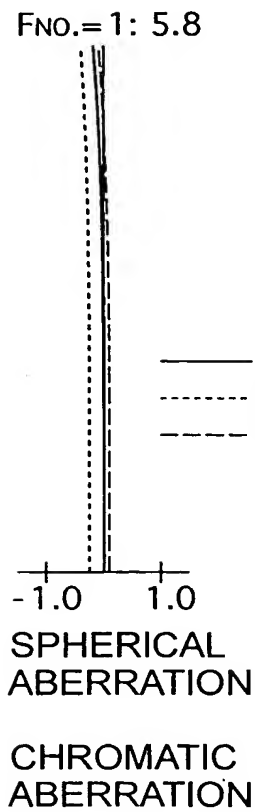


Fig. 2B

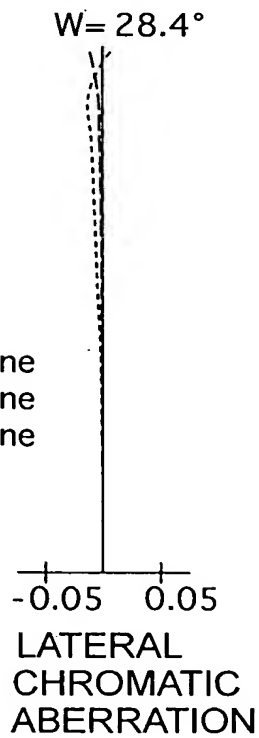


Fig. 2C

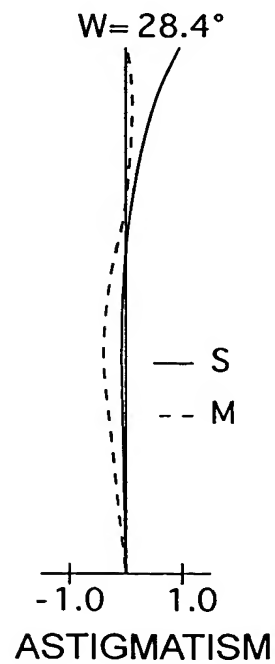


Fig. 2D

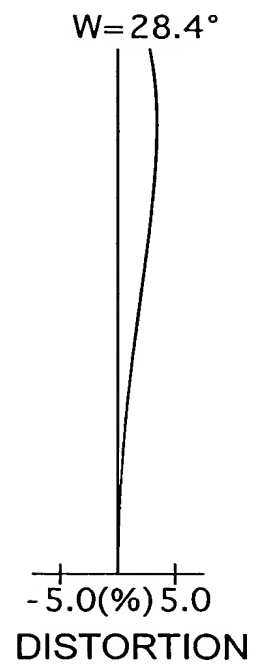
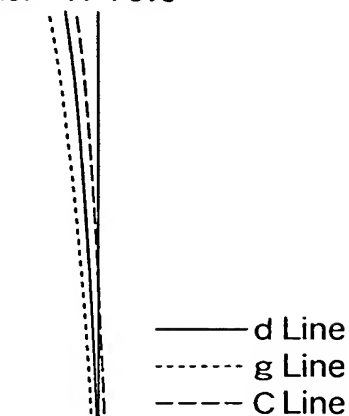


Fig. 3A

FNO.= 1: 10.6

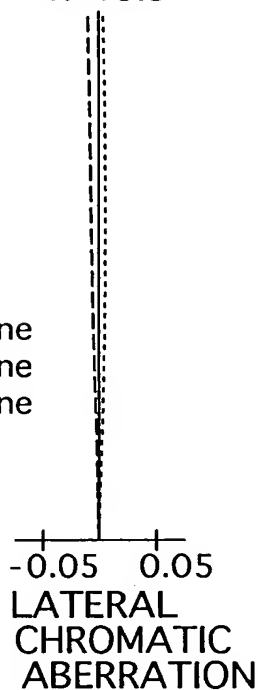


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 3B

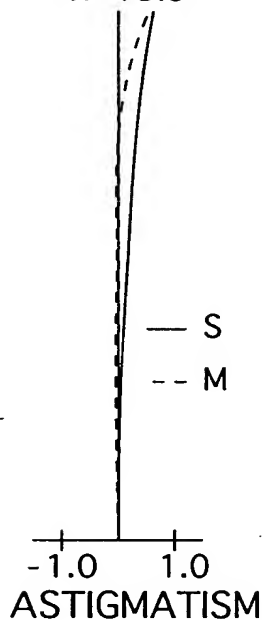
W=13.3°



LATERAL
CHROMATIC
ABERRATION

Fig. 3C

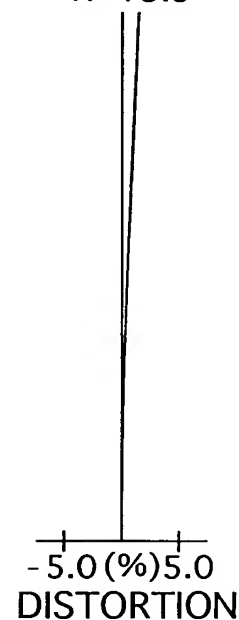
W=13.3°



ASTIGMATISM

Fig. 3D

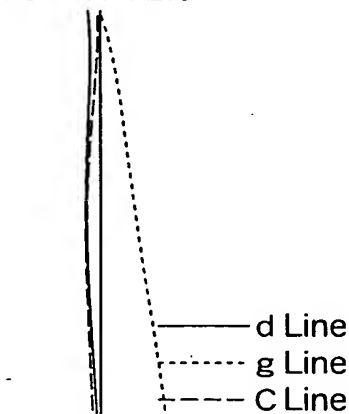
W=13.3°



DISTORTION

Fig. 4A

FNO.= 1: 12.5

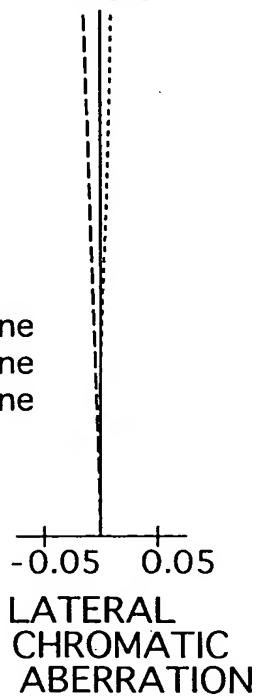


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 4B

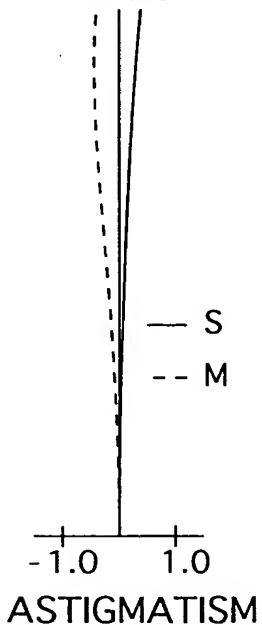
W=8.8°



LATERAL
CHROMATIC
ABERRATION

Fig. 4C

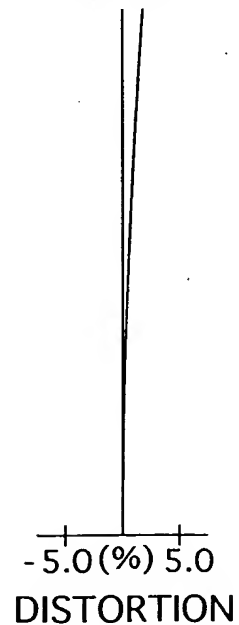
W=8.8°



ASTIGMATISM

Fig. 4D

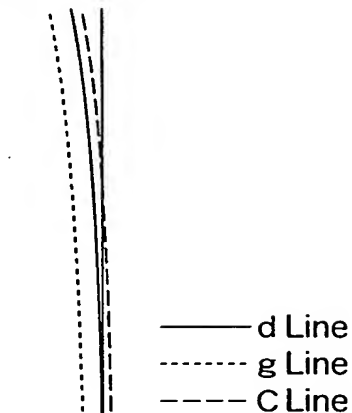
W=8.8°



DISTORTION

Fig. 5A

FNO.=1: 9.0

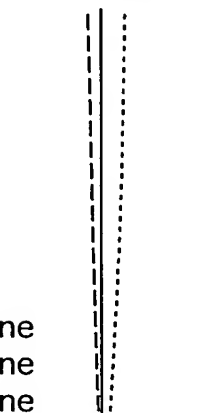


-1.0 1.0
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 5B

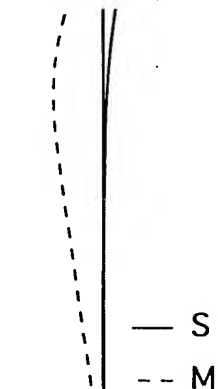
W=16.9°



-0.05 0.05
LATERAL
CHROMATIC
ABERRATION

Fig. 5C

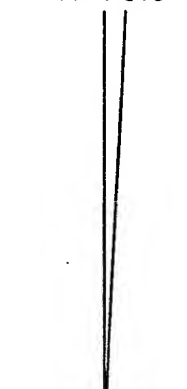
W=16.9°



-1.0 1.0
ASTIGMATISM

Fig. 5D

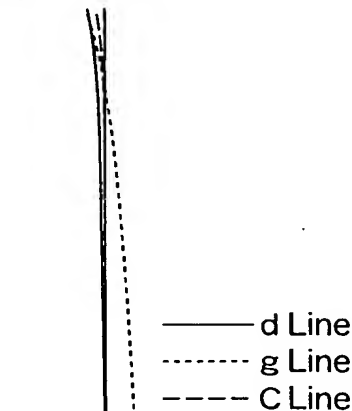
W=16.9°



-5.0(%) 5.0
DISTORTION

Fig. 6A

FNO.=1: 10.3

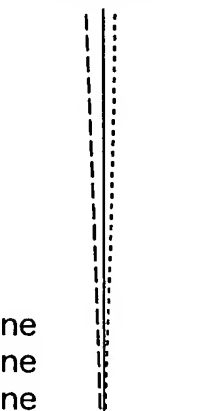


-1.0 1.0
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 6B

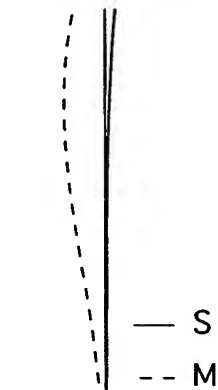
W=10.8°



-0.05 0.05
LATERAL
CHROMATIC
ABERRATION

Fig. 6C

W=10.8°



-1.0 1.0
ASTIGMATISM

Fig. 6D

W=10.8°



-5.0(%) 5.0
DISTORTION

Fig. 7

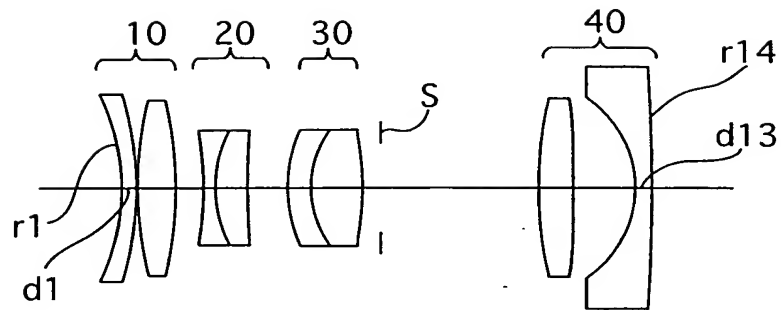
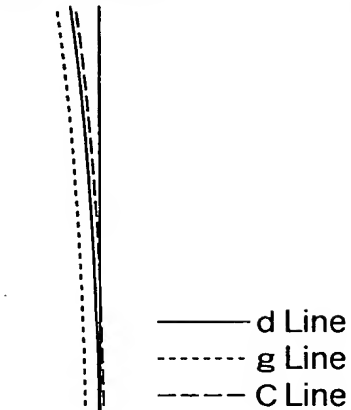


Fig. 8A

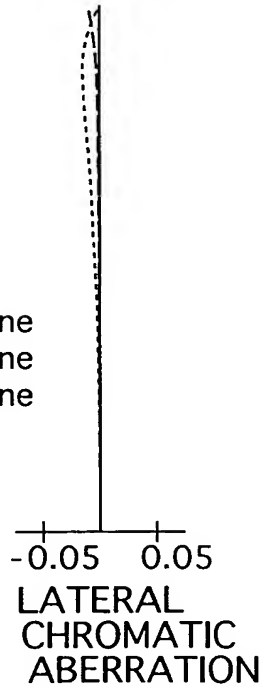
FNO.= 1: 5.8



SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig. 8B

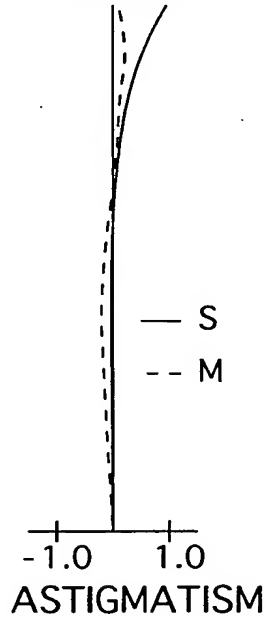
W=28.5°



LATERAL
CHROMATIC
ABERRATION

Fig. 8C

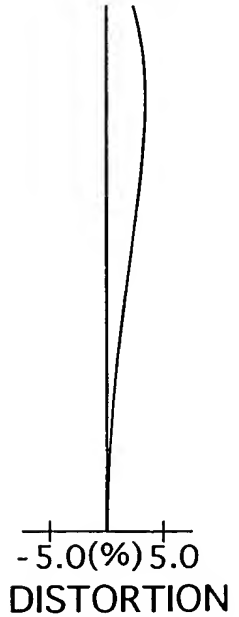
W=28.5°



ASTIGMATISM

Fig. 8D

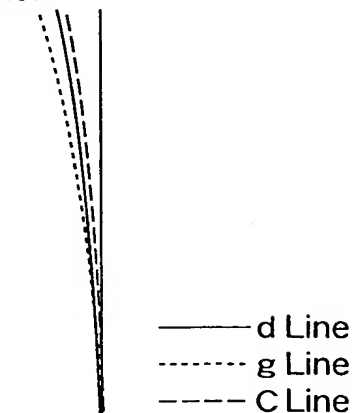
W=28.5°



DISTORTION

Fig. 9A

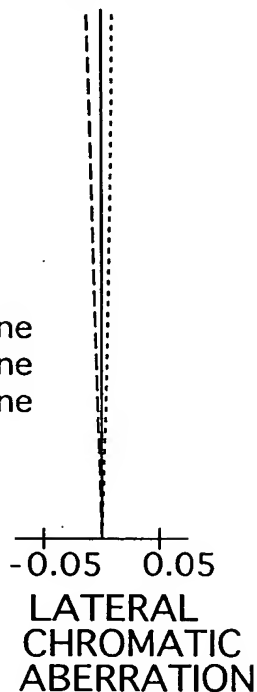
FNO.= 1: 9.9



-1.0 1.0
 SPHERICAL
 ABERRATION
 CHROMATIC
 ABERRATION

Fig. 9B

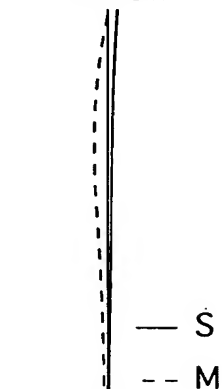
W=13.2°



-0.05 0.05
 LATERAL
 CHROMATIC
 ABERRATION

Fig. 9C

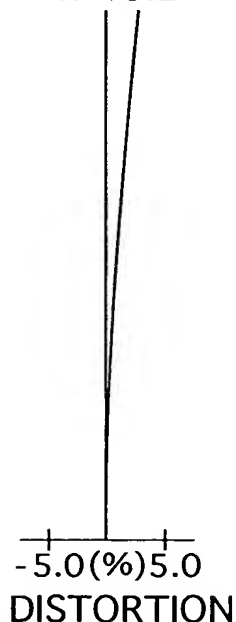
W=13.2°



-1.0 1.0
 ASTIGMATISM

Fig. 9D

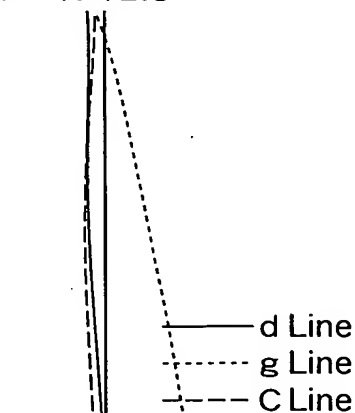
W=13.2°



-5.0(%) 5.0
 DISTORTION

Fig.10A

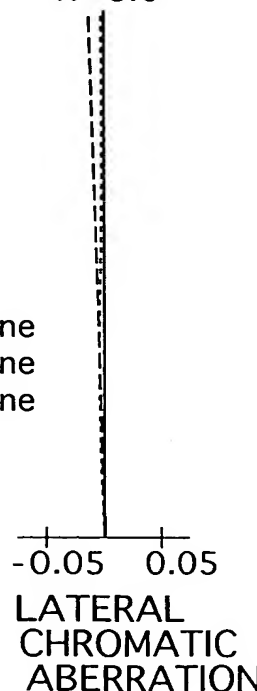
FNO.= 1: 12.8



-1.0 1.0
 SPHERICAL
 ABERRATION
 CHROMATIC
 ABERRATION

Fig.10B

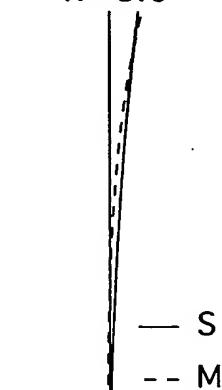
W=8.6°



-0.05 0.05
 LATERAL
 CHROMATIC
 ABERRATION

Fig.10C

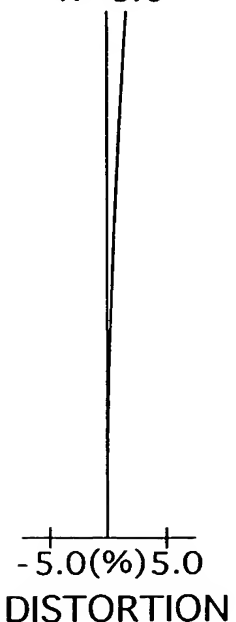
W=8.6°



-1.0 1.0
 ASTIGMATISM

Fig.10D

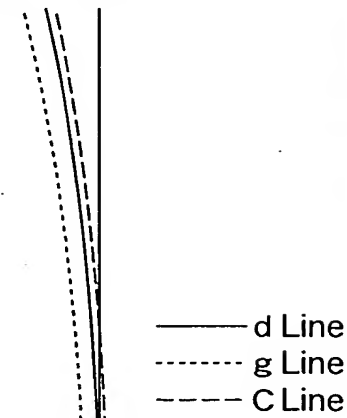
W=8.6°



-5.0(%) 5.0
 DISTORTION

Fig.1 1 A

FNO.=1: 9.5

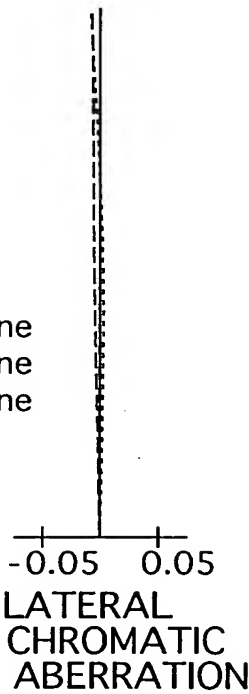


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.1 1 B

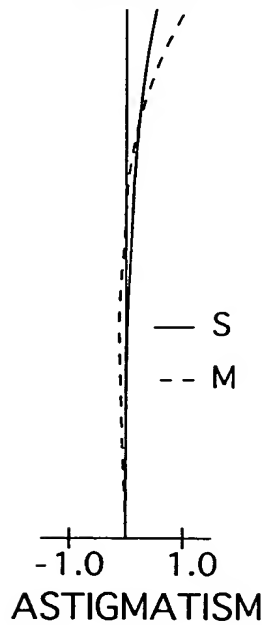
W=16.9°



LATERAL
CHROMATIC
ABERRATION

Fig.1 1 C

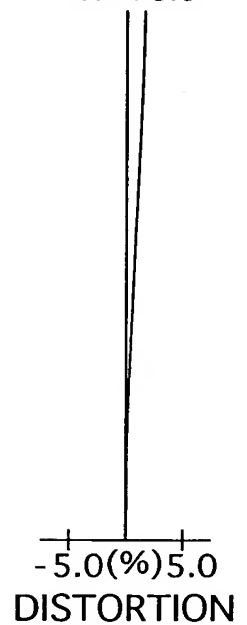
W=16.9°



ASTIGMATISM

Fig.1 1 D

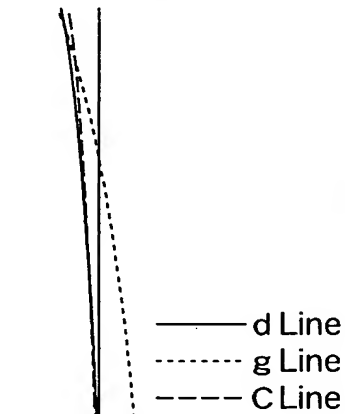
W=16.9°



DISTORTION

Fig.1 2 A

FNO.=1: 10.4

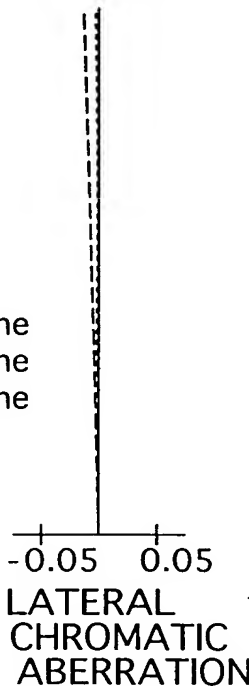


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.1 2 B

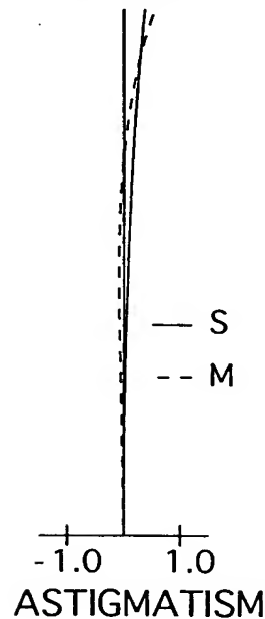
W=10.9°



LATERAL
CHROMATIC
ABERRATION

Fig.1 2 C

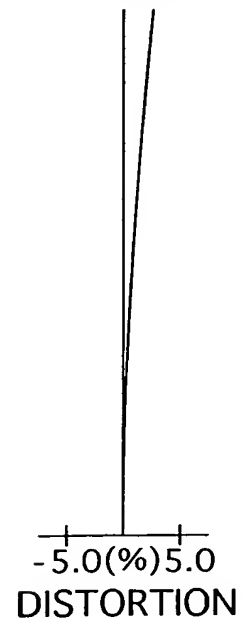
W=10.9°



ASTIGMATISM

Fig.1 2 D

W=10.9°



DISTORTION

Fig. 13

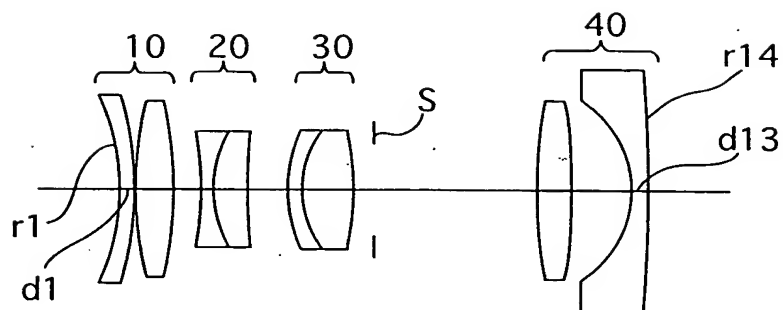
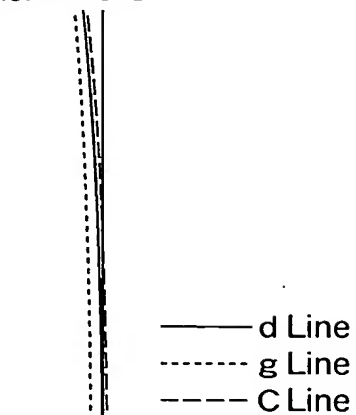


Fig.1 4A

FNO.=1: 5.8



CHROMATIC
ABERRATION

Fig.1 4B

W=28.5°

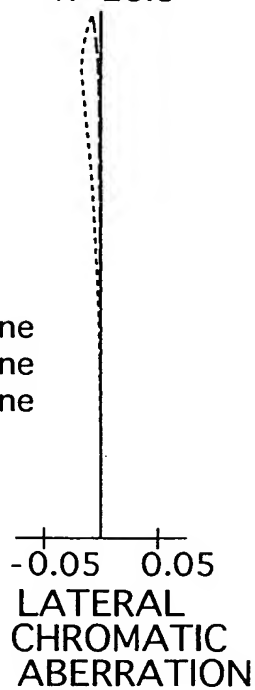


Fig.1 4C

W=28.5°

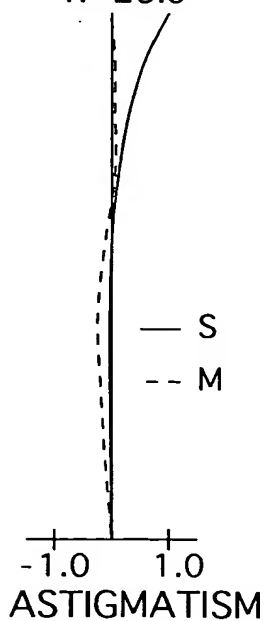


Fig.1 4D

W=28.5°

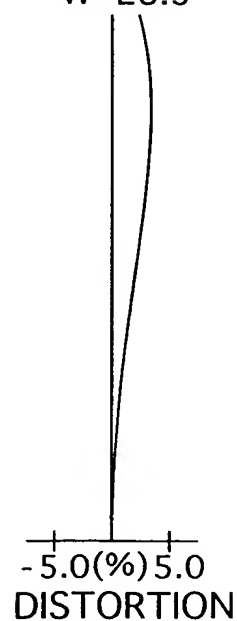
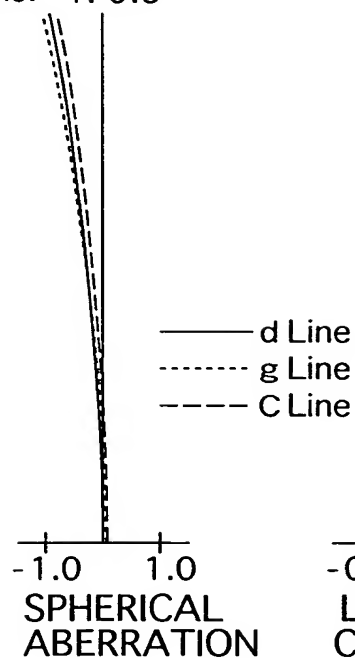


Fig.1 5A

FNO.= 1: 9.5



CHROMATIC
ABERRATION

Fig.1 5B

W=13.3°

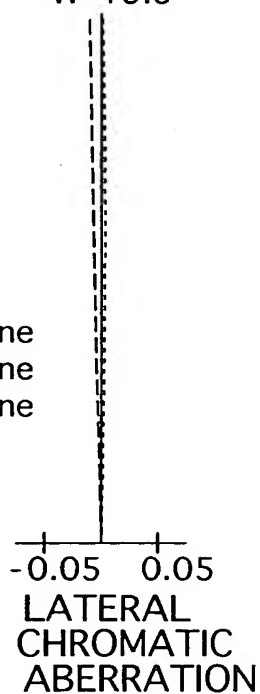


Fig.1 5C

W=13.3°

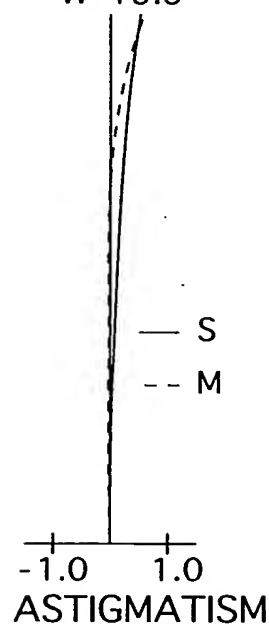


Fig.1 5D

W=13.3°

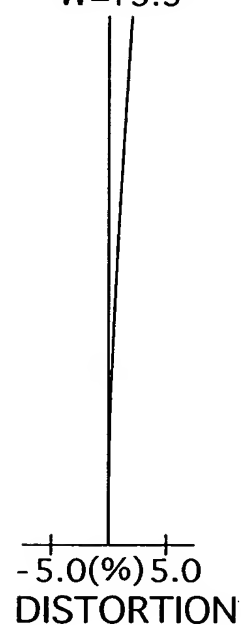
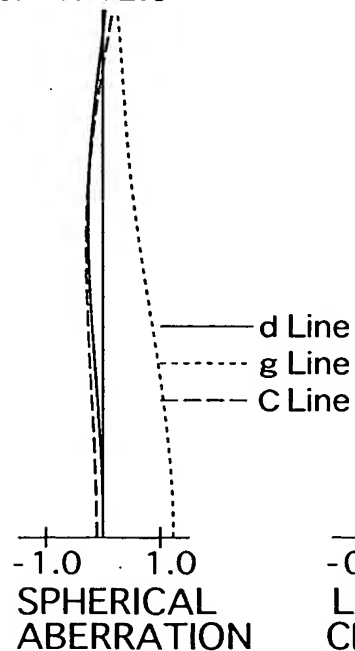


Fig.1 6A

FNO.= 1: 12.5



CHROMATIC
ABERRATION

Fig.1 6B

W=8.8°

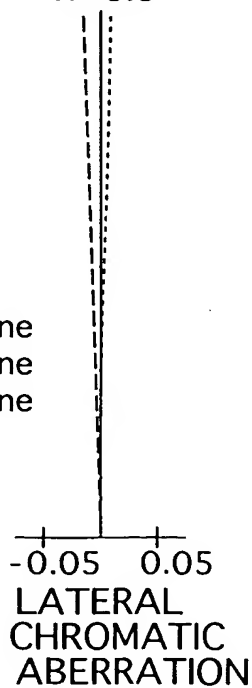


Fig.1 6C

W=8.8°

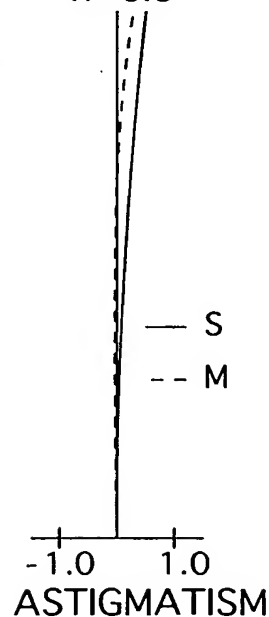


Fig.1 6D

W=8.8°

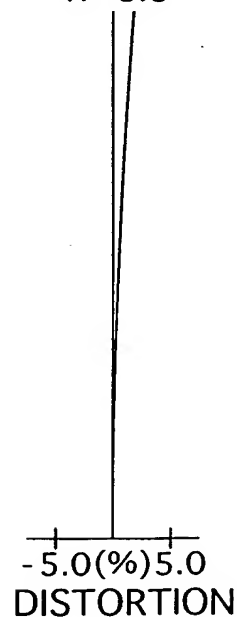
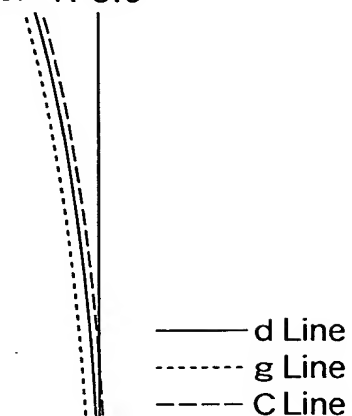


Fig.17A

FNO.=1: 8.0

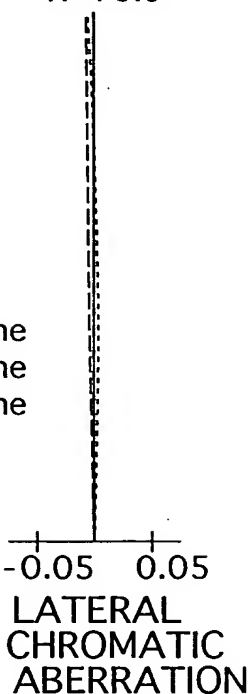


-1.0 1.0
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.17B

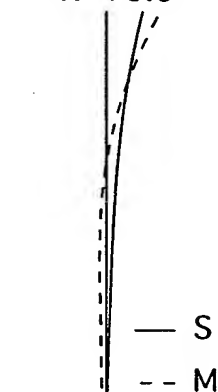
W=16.9°



-0.05 0.05
LATERAL
CHROMATIC
ABERRATION

Fig.17C

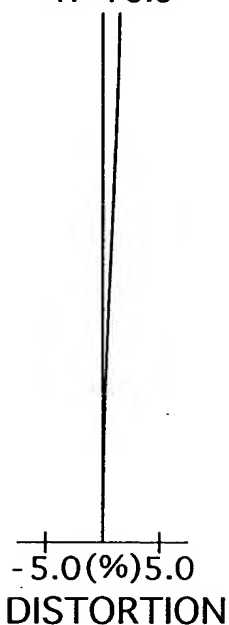
W=16.9°



-1.0 1.0
ASTIGMATISM

Fig.17D

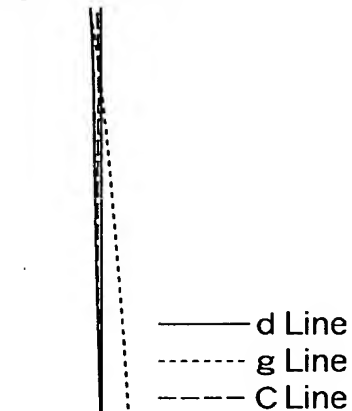
W=16.9°



-5.0(%)5.0
DISTORTION

Fig.18A

FNO.=1: 10.4

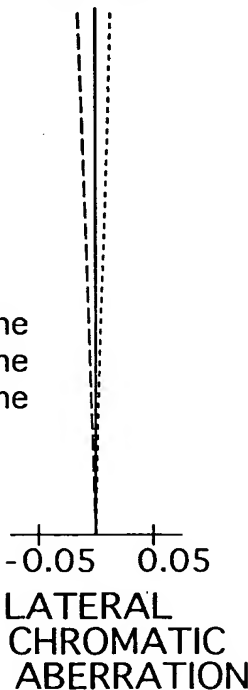


-1.0 1.0
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.18B

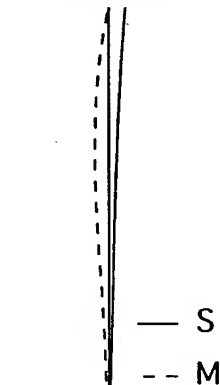
W=10.8°



-0.05 0.05
LATERAL
CHROMATIC
ABERRATION

Fig.18C

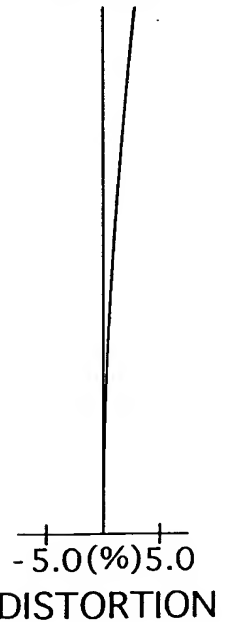
W=10.8°



-1.0 1.0
ASTIGMATISM

Fig.18D

W=10.8°



-5.0(%)5.0
DISTORTION

Fig. 19

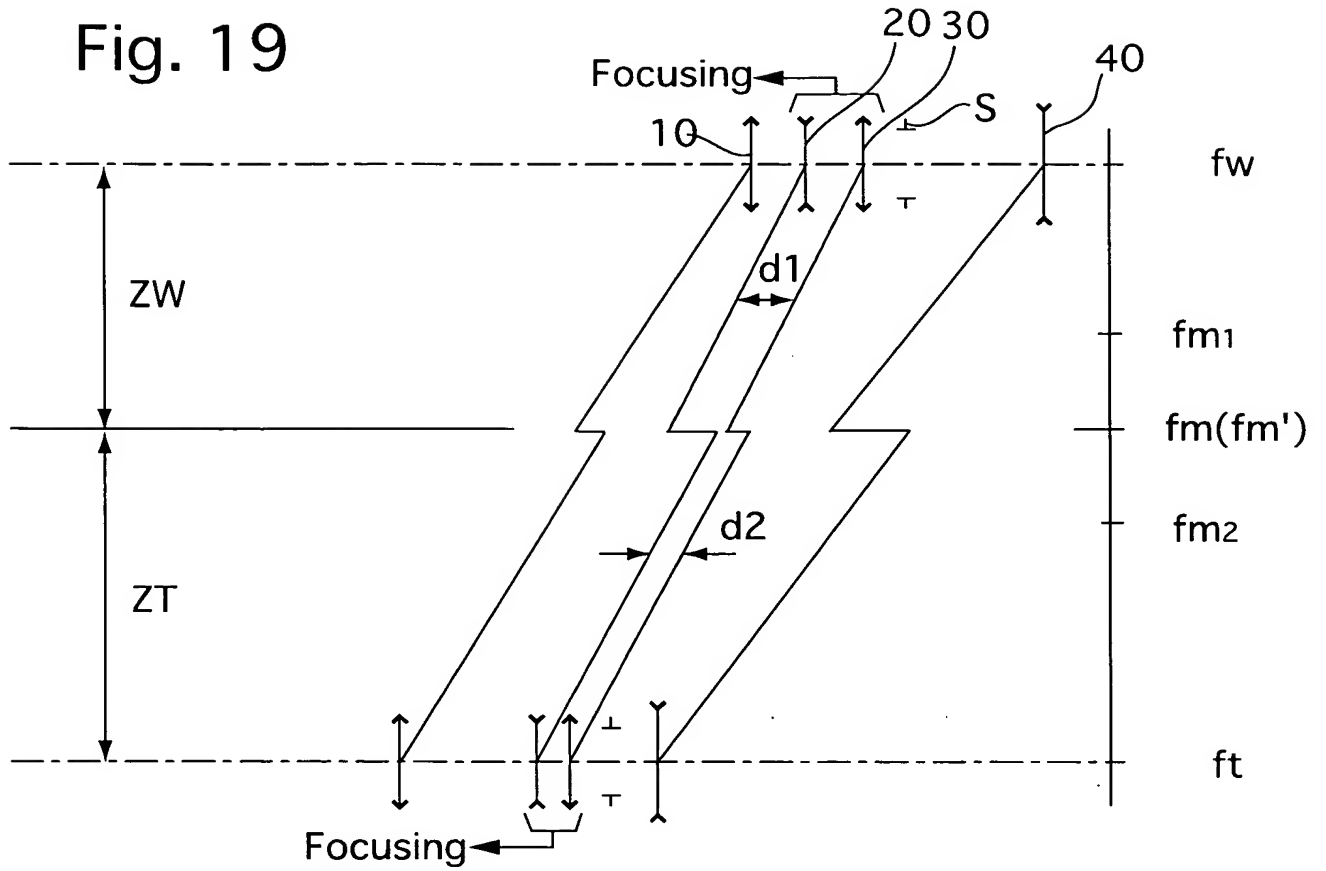


Fig. 20

